

Corro-Coat MX Series 8

Product Description

Corro-Coat MX Series 8 is a versatile epoxy-polyester hybrid powder coating developed to provide attractive decorative finishes combined with protective and functional properties.

Corro-Coat MX Series 8 offers excellent mechanical and chemical performance with superior flow and finish. It provides good colour stability during curing. Epoxy-polyester hybrid coatings are discouraged for applications where resistance to UV light is a prerequisite.

Application Areas

Corro-Coat MX Series 8 is recommended for interior applications. It features a large spectrum of finishes and gloss levels. Typical application areas are domestic appliances, indoor metal furniture and fixtures, shelves, lighting equipment, wire work, heating radiators, wheel rims (as primer), and hand tools.

Corro-Coat MX Series 8 can be successfully applied to ferrous and non ferrous substrates. Special formulations are available or custom-made to meet the requirements for low surface friction, thin film, porous substrates and other special applications.

Pre-treatment

The overall quality of the coating system is largely dependent on the type and quality of the pre-treatment. The recommended types of pre-treatment for the most frequently used substrates are:

Aluminum	Chromate conversion
Steel	Zinc phosphate
Zinc coated steel	Zinc phosphate or chromate conversion
Final rinse (deionized)	The last running water from the object should be tested at 20°C. The readings obtained should measure below 30µS/cm.

Curing Schedules

Corro-Coat MX Series 8 can be formulated for curing temperatures from 160°C to 200°C object temperature. For detailed information please contact a technical or sales representative at Jotun Powder Coatings.

Colour Selection

Corro-Coat MX Series 8 is available in a wide assortment of custom-made colours, including RAL and NCS.

Finish

Corro-Coat MX Series 8 is available in smooth and textured finishes. The smooth finish is available in a gloss range from 15% to 95% (angle 60° measured according to EN ISO 2813).

Powder Application

Corro-Coat MX Series 8 is available for Corona or Tribo charging equipment.

Storage Conditions

Keep in a dry cool area. Maximum temperature 25°C. Maximum relative humidity 60%.



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Technical Data

The technical data provided below are typical for Corro-Coat MX Series 8 applied to 0.8 mm zinc-phosphated cold rolled steel panels (60 micron film thickness). Typical values when tested have not necessarily been recently revised. Values may vary with colour, gloss level and texture variances.

Description	Norm	Series 8
Adhesion	EN ISO 2409 (2mm)	Cross-cut rating Gt0 (100% adhesion).
Impact resistance	ASTM D 2794 (5/8" ball)	Most grades exceed 60 inch-pounds without film cracking.
Cupping test	EN ISO 1520	Most grades exceed 5mm without film cracking.
Flexibility	EN ISO 1519	Cylindrical Mandrel bend test, 3 - 12mm without film cracking.
Film hardness	EN ISO 2815	Indentation resistance according to Buchholz: > 80.
Salt spray resistance	ASTM B 117	Excellent. Measured with respect to blistering and adhesion loss after 1000 hours.
Resistance to humid atmospheres	DIN 50017	Excellent. Measured with respect to blistering and adhesion loss after 1000 hours.

Note: The information on this Product Data Sheet is given to the best of the manufacturer's knowledge, based on laboratory testing and practical experience. However, as the product is often used under conditions beyond the manufacturer's control, only the quality of the product itself can be guaranteed. Jotun Powder Coatings reserves the right without notice to alter or change the content of this Product Data Sheet.

Jotun Powder Coatings. April 2005.

THIS PRODUCT DATA SHEET SUPERSEDES ALL PREVIOUSLY ISSUED VERSIONS.